

**RELATED APPLICATIONS**

The present application is a continuation-in-part of U.S. Application Serial No. 09/344,302 now pending before the U.S. Patent and Trademark Office.

**TECHNICAL FIELD AND INVENTION**

10       The present invention is directed to an exercise apparatus and recreational  
system composed of a plurality of interconnecting parts which include a slide  
having a low friction, durable top layer upon which a user can traverse in both a  
wet or dry condition. The sliding aspects of this invention may be applied to a  
number of conventional board sports or may be adopted to novel uses including  
15       equipping apparel or shoes with low friction material to allow the user to slide  
without additional encumbrances. The invention can also be considered a  
recreational device whereby a user can slide upon a surface which can be inclined  
while being supported by a low friction, durable membrane either attached to a  
sports board or as stand-alone sheeting material. The sliding surface of the  
20       invention may be configured to simulate a variety of terrains. Such slides can be  
inflatably employed with or without structural frames, be portable or fixed and  
employed with bouncy surfaces and include trampolines and ramps to make  
complex recreational centers.

## 5 BACKGROUND OF THE INVENTION

Although there are a plethora of sliding devices which are employed for recreational purposes, the art is devoid of such devices which are provided with practical universal applicability to satisfy a number of diverse and seemingly unrelated characteristics. For example, it is oftentimes a design goal to provide a slide which is portable. Other times, slides which are bouncy are sought after. As will be more fully developed below, it is suggested that both design goals can be met by providing slides which are inflatable. Other users seek recreational complexes in which slides are employed with activity sections such as trampolines and ramps which are detachable from one another and thus can be configured into a variety of shapes and orientations to enhance a user's recreational experience. None of these design goals have been achievable in the past particularly when dealing with such devices which can be employed both wet and dry.

In addition to recreational use of sliding exercise apparatus and recreational devices, as will be more fully embellished below, the present invention deals with the enhancement of sports board skills and thus can be used as a training tool by the serious sports enthusiast. For example, virtually all sports board enthusiasts face the problem of how to maximize recreational practice, skill development and exercise during times of the year when use of such equipment is not feasible. For example, snow boarders find that after a full winter season, their skills are enhanced but after the spring, summer and fall months of inactivity, board skills

5 must be redeveloped and tuned once winter conditions provide the appropriate backdrop for practicing the sport.

Not only do winter sports enthusiasts face the grim prospect of having to go long periods between board usage, others, such as surfers, face similar constraints. Obviously, the surfer can only effectively use a surfboard when ocean  
10 access is available. There are times when surfers must travel inland and away from major bodies of water preventing board usage. As such, the invention can be used with a wide and diverse list of sliding vehicles which currently exist or are configured specifically for use herein including roller skates, rollerblades, skateboards, skis, waterskis, sleds, air mats, rubber/foam mats, body boards,  
15 skimboards, knee boards, wake boards, ice skates, surfboards, snowboards, mountain boards, sand boards, sail boards, snow luge, street luge, knee pads, elbow pads, wrist guards, clothes, suits, shoes, socks, plush vehicles, plush animals, plush objects, scooters, bikes, tricycles, snowmobiles, spheres, discs, sheets, bags and cases.

20 In addition to the above-noted uses, it has been recognized that certain advantages are inherent in providing a sliding surface which is either inflatable or padded. A sports enthusiast or recreational user can employ such a sliding surface to practice extreme skills knowing that the forgiving nature of the slide will substantially reduce the risk of injury. Even wheel-bearing sporting goods such as  
25 in-line skates and skate boards can be used in conjunction with the present

5 exercise apparatus and recreational system providing a safer platform for such activity than would otherwise be available.

It is thus an object of the present invention to provide a sliding exercise apparatus and recreational system which can be both stationary and portable, have a number of subsidiary activity sections such as trampolines as well as ramps  
10 which can be employed in both a wet and dry state.

It is further an object of the present invention to provide a sliding exercise apparatus and recreational system which is covered, on its top surface, with a low friction, durable sheeting material and which can be used both recreationally and further to enhance board skills in both a wet and dry condition.

15 It is still a further object of the present invention to provide a sliding exercise apparatus which can be employed with or without structural frame members and which can either be configured as a permanently fixed installation or be made portable for on-site assembly.

These and further objects will be more readily apparent when considering  
20 the following disclosure and appended claims.

## **SUMMARY OF THE INVENTION**

The present invention is directed to a low friction, durable sheeting material which can be used in both a wet and dry condition as well as a sliding exercise  
25 apparatus and recreational system which includes a slide for supporting a user, such slide having a top surface, at least a portion of which can be inclined to

5 facilitate gravity-induced sliding. The top surface is provided with said low friction,  
durable sheeting material which enables the user to traverse thereon whether the  
top surface is wet or dry. The slide can be inflatable or padded and can be  
optionally fixed to a rigid frame or made free standing without a frame. It can be  
made to reside in a fixed location or made to be portable. The slide can be  
10 designed to reside on land or on water and can be employed with a variety of  
ancillary expedients such as pumps and related tubing to circulate water over the  
top surface of the slide to provide a wet surface as well as a refrigerator unit to  
create snow or ice to more closely replicate wintry conditions.

The present invention further is directed to a sliding activity center  
15 comprising in combination, a slide as recited above and a plurality of appended  
activity sections. It is contemplated that these activity sections can be removably  
and interchangeably appended to the slide to both add to the recreational experience  
in employing the present invention and provide skill enhancing stations for those so  
inclined. Activity sections can include additional slides with surfaces of varying  
20 frictional characteristics and profiles as well as trampolines, water pools, zip lines,  
tubes, ramps, barrels and chutes to name just a few. The activity sections are  
positioned such that a user can transition between the slide and the appended  
activity without constraint enabling a user to take full advantage of the recreational  
and skill development opportunities which are available in practicing this invention.

5           As one embodiment, the present invention contemplates the use of a sports board, being of sufficient size and rigidity to support a user on the present exercise and recreational center. The sports board is provided with a top for contacting the user and a bottom for sliding upon a slide. As in the previous embodiments, the slide is provided with a top surface which can, in one embodiment, be inclined to  
10 facilitate gravity-induced sliding thereon. The top surface is further characterized as having a low friction, durable sheeting layer which enables a user to traverse thereon whether the top surface is wet or dry and an additional low friction, durable sheeting layer appended to and supported by the bottom of the sports board such that each low friction, durable sheeting layer is designed to engagingly  
15 contact one another as a user is supported by the sports board for sliding on the top surface. Alternatively, the sports board can support wheels, thus obviating the need for the sheeting layer thereon. In addition, the present invention contemplates, instead of the use of a sports board, the use of a highly durable low friction membrane which acts as a sheeting layer for supporting a user as the user  
20 traverses the top surface of the slide. The membrane itself can be composed of a low friction, durable sheeting material which enables the user to traverse the slide in both a wet and dry condition. This membrane, in addition to being used as a stand-alone flexible sheet, can also be employed in small sections which are appended to the clothing of a user such as the bottom of one's feet and the outer  
25 surface of typically employed knee pads.

## 5 BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of one embodiment of a slide configured pursuant to the present invention.

Figs. 2, 3 and 4 are perspective views of the combination of a slide, trampoline, ramp and other additional elements constituting further embodiments of the present invention.

Fig. 5 is a perspective view of a sports board useful in practicing the present invention.

Fig. 6 is a perspective view of a membrane useful in supporting a rider when employing the present invention.

Fig. 7 is a perspective view of a modification of the membrane shown in Fig. 6.

Fig. 8 is a perspective view of a user of the present invention employing yet a further embodiment thereof.

Fig. 9 is a perspective view of a portion of a slide for use herein, shown in partial cross-section.

Fig. 10 is a perspective view of yet another embodiment of the present invention.

5 Fig. 11 is a side plan view of a slide and user thereof pursuant to the present invention.

Figs. 12A, 12B, 12C and 12D are perspective views of three embodiments of "vehicles" used to support a user in practicing the present invention.

10 Fig. 13 is a perspective view of the present invention showing the use of a tent structure and tented "pipe" as a further embodiment.

Figs. 14A-14E are a series of perspective views of various ramp and ramp-like structures for use herein.

Fig. 15 is a perspective view of the present invention wherein indicia is provided to enhance the recreational use thereof.

15 Figs. 16A and 16B are perspective views of the present invention in its simplest iteration.

Fig. 17 is a plan view of a series of modifications being made to an existing ski for use in the present invention.

20 Fig. 18 is a perspective view of a surfboard modified for use in practicing the present invention.

Fig. 19 is a perspective view of a modified snowboard to illustrate the use of dedicated vehicles for use herein.



## 5 DETAILED DESCRIPTION OF THE INVENTION

Fig. 1 depicts slide 10 used as the focal point of the exercise apparatus and recreational system of the present invention. As shown, optional framework 11 supports stairs 12 and railing 13 to enable a user to enjoy slide 10 as a recreational device. Slide 10 is provided with top surface 20 which, need not be, but in this illustration is inclined to facilitate gravity-induced sliding thereon. Top surface 20 is composed of a flexible sheeting layer of a durable, low friction material enabling the user to traverse the slide whether the top surface 20 is wet or dry.

As further noted by reference to Fig. 1, slide 10 is provided with bumpers 14 and 15 to define top surface 20 and to prevent the inadvertent slippage from top surface 20. Fig. 1 shows water pump 16 and hosing 17 to enable slide 10 to be used dry (as shown) or wet by introducing water through piping 21.

Alternatively, element 16 could be a refrigerator unit which could supply snow or ice to the slide surface through hosing 17 in order to replicate wintry conditions. Slide 10 is shown as having a top or beginning portion 22 in the form of a substantially flat pad. The pad can be of higher friction material to prevent inadvertent slippage and can be, for example, a bouncy surface such as a trampoline to enable a user to create a bouncing motion prior to launch upon top surface 20.

5 Fig. 1 further illustrates an infant as user 18 clearly employing slide 10 as a recreational device. In this instance, user 18 is supported by membrane 19 in the form of low friction durable sheeting material as more clearly depicted in Fig. 6 and discussed hereinafter with regard to that figure. Both membrane 6 and top surface 20 can each be composed of low friction high durable material such as a member  
10 selected from the group consisting of nylon, Teflon, sailcloth, Dacron, vinyl, artificial turf, synthetic carpet and polyester resins. This enables user 18 to traverse top surface 20 in a dry state without need for an optionally induced wet surface through the injection of water through jets 21.

Slide 10 of Fig. 1 can be constructed permanently in a single location or be  
15 made portable. Portability is enhanced by producing slide 10, at least as to its bumpers 14 and 15 and support area below top surface 20 as inflatable membranes which can be collapsed when deflated for storage and portability. Inflation can be maintained through the use of one or more blowers 9. In addition, inflatable membranes add to the bouncing characteristic which many users find  
20 appealing. For example, as noted previously, top or launch pad 22 can be in the form of a trampoline which enables a user to commence use of slide 10 by bouncing first on pad 22 whereupon user 18 progresses along top surface 20. Alternatively, the slide can be made of padded elements which, although not enhancing portability, can create a safe recreational system. Further, the slide can  
25 be made in sections shown joined along seam 8 and held together by fasteners 7. Area 20a can be a continuation of surface 20 or can be filled with water or plastic

5 or Styrofoam balls (not shown). When filled with water, a simulated wave machine can be employed to create wave action for user 18. To facilitate exiting from area 20a, ladder 6 can be draped over the bumper to step on area 5.

Fig. 2 depicts yet another example of the present invention. In this instance, the invention is depicted as a sliding activity center 30 including a number of elements which are selectively combined to produce such an activity center which can function not only as a recreational device but also as a skill enhancement sports tool. Sliding activity center 30, in the embodiment shown in Fig. 2, includes stairway 31 to enable a user to climb to an elevation as defined by launch pad 32. Slide 33, as in the embodiment shown in Fig. 1, is provided with a top surface 43 of a durable low friction layer which can either be permanently bonded to slide 33 or consist of a sheeting material that lays across a padded or inflated membrane as desired.

As noted previously, activity center 30 is composed of a number of elements some of which are depicted in Fig. 2 while others are shown in later drawings and each of which can optionally be detachable from one another so that their component parts can be rearranged as well for storage and portability. As such, sliding activity center 30 is merely illustrative of one of an almost limitless number of combinations constituting the present invention. In this instance, top surface 43 of slide 33 leads directly into activity section 34 which, in this instance, comprises a trampoline having a bouncy trampoline surface 35 held in

5 place by framework 36 and 37. As shown, user 41 on sports board 42 is  
depicted bouncing upon trampoline surface 35 having progressed along top surface  
43. As in the previous embodiment, all of the component parts of the present  
invention including the top surface of trampoline 35 as well as the bottom surface  
of sports board 42 can be optionally provided with durable low friction sheeting  
10 material so that the present invention can be employed in a dry condition. Other  
add-on features can also be appended to enhance the recreational and skill building  
aspects of the present invention. For example, pontoon pole 44 and bungee line  
44a can be used as well as zip line 45 elevated above surface 35 to support user  
46.

15 Once user 41 decides to exit trampoline bouncy surface 35, several routes  
can be taken. For example, user 41 can progress along ramp 38 which again can  
be covered with a low friction durable sheeting material. As an alternative, user  
41, if appropriately skilled, can exit bouncy surface 35 and onto adjustable sliding  
rail 39 which itself can be optionally covered with a low friction durable material.

20 Both rail 39 and ramp 38 can be made adjustable as they connect to trampoline  
frame 36 so that their angles of inclination with respect to surface 35 can be  
altered as the skill level of the user so dictates. Again, each of the component  
parts including trampoline 34, ramp 38 and rail 39 can optionally detach from one  
another and the various component parts rearranged. For example, one could  
25 configure the sliding activity center of Fig. 2 such that a user would, upon exiting  
slide 33, proceed to adjustable sliding rail 39 and, upon leaving adjustable sliding

5 rail 39, enter trampoline 34 whereupon the activity center is exited by proceeding along ramp 38.

It is further noted that ramp 38 of Fig. 2 can assume a number of alternative embodiments. In this regard, reference is made to Figs. 14A-E. In Fig. 14A, take-off ramp 1400 can be installed within activity center 30 in place of ramp 38.

10 Horizontal ramp surface 1401 and sloping ramp surface 1402 supported by base 1403 can be coated with durable low friction sheeting material to enable wet or dry use. Turning to Fig. 14B, fly box 1410 which is made up of nested elements in the form of ramps 1411 and 1413 which each abut central (horizontal) box portion 1412. As a further alternative, reference is made to Fig. 14C showing  
15 ramp 1420 having inclined surfaces 1421 and 1422 which, at their joint apex, is provided spine 1423 enabling skate boarders and similar enthusiasts to confront an edge to hone their skills. Similarly, reference is made to Fig. 14D showing pyramid structure 1430 having four sloping side walls 1431 and top flat pad 1432. Again, this surface can be coated with a low friction durable coating material and used as  
20 a ramp as previously discussed. Finally, reference is made to Fig. 14E showing a half pipe 1440 having curved pipe surface 1441 used by skating and sports board enthusiasts.

Fig. 3 is an illustration of a sliding exercise apparatus and recreational system further embodying various elements constituting the present invention.

25 Sliding exercise apparatus and recreational system 50 is shown with various

5 interrelated component parts. Specifically, slide 52 is shown as having an incline  
to induce rider 53 on sports board 54 to travel along top surface 55; the top  
surface, as in the previous embodiments, being optionally composed of durable low  
friction sheeting material. This particular embodiment shows horizontally oriented  
launch pad surface 51 which can be comprised of a relatively high friction material  
10 to enable a user to achieve a sense of stability. At the bottom of slide 52 is  
shown trampoline 56 enabling rider 53, upon exiting slide 52, to practice jumping  
on the bouncy trampoline surface atop sports board 54. User 53 would then have  
a number of options including exiting from the trampoline along chute 57,  
adjustable rail 58 or adjustable ramp 59. In each instance, these surfaces can be  
15 optionally covered with highly durable low friction sheeting material.

Again, turning to Fig. 3, it is noted that ramp 59 can be pivoted along axis  
60 so that the inclination of ramp 59 can be varied as ramp 59 proceeds upwardly  
or downwardly in direction shown by arrow 61. Similarly, rail 58 can be received  
by any one of openings 62, 63 or 64 within frame 65 in order to vary the angle of  
20 inclination of rail 58 with respect to trampoline 56. Further, as previously noted,  
each of the component parts leading to trampoline 56 can be selectively removable  
from the trampoline so that the order in which the components are confronted by a  
user can be varied. Along these lines, reference is made to Fig. 4.

Fig. 4 discloses sliding exercise apparatus and recreational device 70  
25 including slide 71 having bumpers or rails 73 in order to establish lanes upon top

5 surface 83.) In this embodiment, bumpers 72 are included within slide 71 which is optionally made up of air inflatable membranes much like that shown in Fig. 1.

The embodiment of Fig. 4 shows slide 71 transitioning to ramp 74 having uneven surface 75 to create somewhat of a mogul-like effect. This embodiment can be used to practice a number of board sports as well as be employed for recreational purposes. As such, rider 80 is shown on a snow board 82 at the top of slide 71 while user 79 is shown atop skis 81. As noted, rider 79 upon exiting ramp 74 transitions onto trampoline 76. The rider could then simply depart the trampoline by swinging his or her skis 81 over its edge or by progressing down adjustable rail 77 in a manner previously discussed. In each instance, the bottom surfaces of snowboard 82 and skis 81 as well as top surface 83 of slide 71, surface 75 of ramp 74 and surface 78 of trampoline 76 can be covered with low friction high durability sheeting material of the type previously recited. As noted previously, the sliding exercise apparatus and recreational system of Fig. 4 can be employed in both a wet and dry state while practicing the present invention.

20 Further, the sliding exercise apparatus and recreational system of Fig. 4 could be selectively coated with ice or snow to more closely replicate real life conditions when climactic conditions make this feasible. As an example, area 78 could be in the form of a frozen layer of ice or a tub filled with plastic balls. However, to reiterate, the present invention is usable in a dry condition and without snow or ice

25 being applied to any of the above-recited top surfaces.

5            Fig. 5 depicts a sports board such as that shown as board 82 of Fig. 4. In  
this instance, board 100 having bindings 112 is of the shape of a snowboard  
having a rigid top surface 111, bindings 112 and bottom surface 116. As noted  
previously, durable low friction sheeting material 114 can be applied to bottom  
surface 116 by applying adhesive 115 to sheeting material 114 and adhering it to  
10 board 111. As an alternative to a sports board, a rider such as user 18 of Fig. 1  
can employ a flexible membrane shown as element 90 of Fig. 6. Membrane 90  
can take on a number of geometrical shapes as well as thicknesses and physical  
characteristics so long as bottom surface 91 is composed of low friction durable  
sheeting material. In other words, membrane 90 can be a single sheet of such  
15 material in the form of a rectangle or any other geometric shape upon which a user  
would sit or lie upon when employing the present invention or, alternatively, a  
durable low friction membrane 121 could be adhered to a three-dimensional sliding  
element 120 as depicted in Fig. 7. In this instance, low friction durable sheeting  
material 121 is adhered to a body section 122 which can be inflated or provided  
20 with stuffing material to take on a three-dimensional configuration thus providing  
additional cushioning to a user. Because the present invention can be employed in  
a dry condition, the body of sliding element 120 need not necessarily be water  
repellent while being functional in practicing the present invention.

As a further embodiment, reference is made to Fig. 8 where, instead of  
25 employing durable low friction sheeting material as shown in Figs. 6 and 7 upon  
which a user would reside, it depicts similar material shown as being selectively



5 adhered to clothing or protective gear of a user so that one could employ the  
present invention without the need for a separate sports board or slidable  
membrane material whatsoever. Specifically, user 160 is provided with shin pads  
161 and elbow pads 162, each of which can be provided with patches of durable  
low friction membrane material 163 and 164. Further, sandals or shoes 165 can  
10 be provided with similar low friction high durability membrane material 166 on the  
bottoms or sole portions thereof. One could even employ socks composed entirely  
of said low friction durable material for use herein. As such, user 160 could  
progress along the various slides, ramps, rails and trampolines of the present  
invention on one's knees, elbows or even in a standing orientation; thus one is able  
15 to enhance one's balance as well as engage in an enjoyable recreational pursuit.

Next, reference is made to Fig. 9 showing a portion of an inflatable slide  
180. In this embodiment, membrane 182 encloses internal volume 181 which is  
ideally under sufficient pressure to support the structure of slide 180. In this  
instance, low friction durable sheeting material 183 is placed on the top surface of  
20 slide 180 and over seams 184 and 185. Along the top surface of slide 180,  
seams 184 and 185 create indents which can further enhance employment of the  
present invention. Specifically, rider 186 can employ board 187 which, in turn,  
supports in-line wheels 188. This board can traverse slide 180 along seams 184  
or 185 as a means of engaging in both a recreational pursuit and skill enhancement  
25 in the use of an in-line skate or skate board.

5 Turning to Fig. 10, yet another embodiment of the present invention is disclosed in an attempt to demonstrate the breadth of the present invention. Ramp 191 can act as the launching point for slide 190 or can be the continuation of a previous or upstream recreational device. User 193 on sports board 192 can traverse ramp 191 which, itself, can optionally be selectively covered with a durable low-friction material so that the invention can be used in a dry state. Rider 193 can then progress within metal or plastic cylinder 194 which can, as a preferred embodiment, be rotated either clockwise or counterclockwise through the use of motor 195 driving motorized wheels 196. As with ramp 191, the interior of cylindrical member 294, can be selectively coated with a durable, low-friction surface enabling user 193 to employ the present invention in a dry state. As a further embodiment permanent magnets 198 could be installed below cylindrical member 294 with other magnets 199 embedded in a user's vehicle of the same facing or repelling polarity. This would reduce any friction between the user's vehicle and cylindrical member. User 193 can remain within cylindrical member 194 sliding along its inner surface as motor 195 turns cylinder 194 as desired. At any time, rider 193 can exit cylinder 194 by progressing down ramp 197.

Turning back to Fig. 9, it is noted that in any particular sliding structure, it is possible to selectively provide low friction durable sheeting material 183 to the top surface of slide 180. For example, border 189 can be devoid of such material thus providing a higher friction border about sheeting material 183. Such selective high friction areas can be employed as safety means to slow a user upon

5 approaching an edge of the slide. Additionally, areas of relatively high friction can be dispersed about low friction high durable sheeting material 183 to act as obstacles to be traversed by the skilled enthusiast.

Reference is next made to Fig. 11 which shows user 201 traversing down the top surface 202 of slide 200. In this illustration, user 201 employs a  
10 parachute or kite 207 which could act to pull user 201 while grasping lines 208.

Virtually any riding element can be employed by a user while remaining within the spirit and scope of the present invention. For example, in developing sports board skills, a user might wish to employ snow boards, surf boards, boogie boards, skis, skate boards and body boards in employing the exercise apparatus and recreational system of the present invention. Further, dedicated boards  
15 consisting of nothing more than a solid core surrounded by selective padding and a bottom surface of a durable low friction sheeting material can be employed as well. As previously noted, stand-alone sheets of such material can be employed to support a user as one traverses along the slide and related elements of the present  
20 invention and can even employ patches of such material adhered to selected body portions such as the soles of one's shoes or on the surfaces of knee and elbow pads.

In order to further illustrate the breadth of the present invention, reference is made to Figs. 12A, 12B, 12C and 12D showing just several of the myriad of  
25 diverse riding elements contemplated for use herein. For example, Fig. 12A

5 depicts sled 220 having bottom portion 221 for supporting a user and handle  
portion 222 to enable a user to maintain one's balance and steer sled 220 by  
shifting the user's body weight. As in previous embodiments, ideally, bottom  
surface 223 is wholly or partly covered with a low friction durable sheeting  
material to enhance sliding of sled 220 over the top surface of the slide and related  
10 components of the present invention. Sled 22 can also be provided with wheel  
224 for control and brake 225 for the same purpose.

15 Fig. 12B shows an inflated or foam padded hollow sphere sized to capture  
user 233 within open area 231. The user can slide along inner surface 232 with or  
without sports board 234 which can be coated with a durable, low friction layer of  
material while sphere 230 rolls down the slide and appended components of the  
present invention. Sphere 230 is provided with inner frame 237 supporting air or  
foam padded membrane 236 and outer durable shell 235. User 233 can enter and  
exit sphere 230.

20 Finally, Fig. 12C shows a modified sports board 240 for use by children. In  
this instance, board 242 having seating area 241 is intended to support a toddler  
who might grasp onto a configured animal head portion 243 for sliding on the slide  
of the present invention.

As noted, the present invention can be employed with sleds of various  
configurations. As an illustration, reference is made to Fig. 12D wherein saucer

5 sled 260 is provided with handles 261. As in previous embodiments, sled 260  
can have a durable, low friction layer applied to bottom surface 262.

Turning to Fig. 13, slide 1300 includes slide surface 1301 again composed  
of a low friction, highly durable material which, in this embodiment, is shown  
terminating by means of inflatable bumpers 1304 thus preventing rider 1306  
10 residing upon membrane 1307 from inadvertently progressing beyond the slide  
surface. To enhance the recreational nature of the present invention, tent 1302 is  
erected at the launch point of slide surface 1301 while tent fabric 1303 can be  
provided in the form of a pipe or tube by means of spaced wire ribs 1308 anchored  
to the surrounding surface by anchor bolts 1309. In doing so, rider 1306 upon  
15 exiting tent structure 1302 would be caused to progress down slide 1301 while  
experiencing a tunnel-like ride.

As yet a further embodiment, reference is made to Fig. 15 whereby slide  
1500 is shown having written indicia 1501/1502 etc. In doing so, slide 1500 is  
converted into a game whereby rider 1503 can either progress down slide 1500  
20 exercising whatever sliding skills he or she might happen to have to enable rider  
1503 to either travel down slide 1500 on membrane 1504 to selectively stop in a  
predetermined numbered area or alternatively to employ slide 1500 in a  
shuffleboard-like fashion by propelling membrane 1504 upon slide 1500 for the  
same purpose.

5           Reference is now made to Figs. 16A and 16B. In its simplest iteration, the present invention is directed to a sheet or membrane of highly durable low friction material 1600 enabling user 1601 to slide upon sheet 1600 even when sheet 1600 is in a dry state. Up to now, membranes employed for this purpose have only been used with a wet surface in order to create the necessary low friction  
10 surface characteristics promoting sliding. Similarly, slide 1602 of Fig. 16B shows that top surface 1603 of a low friction highly durable sheeting material can be supported by substructure 1604 which can be an inflatable membrane whose three-dimensional confirmation is maintained by air blower 1605 or, alternatively, membrane 1604 can be stuffed with a core of foam or rubber for the same  
15 purpose. In addition, various sliding elements 1606 can be added end-to-end or side-to-side to slide element 1602 in order to create slides of additional length and/or width. Attachment can be by any well-recognized means such as through the use of Velcro hook and loop connectors, snaps, zippers, ropes, springs, nylon netting and similar expedients.

20           As previously noted, the present invention can be employed with commercially available sports vehicles which have been modified for use herein. In this regard, reference is made to Figs. 17 and 18 in order to illustrate this point. Specifically, Fig. 17 discloses the bottom surface ski 1701 including metal runners 1702. Metal runners 1702 are normally sharpened to enable a skier to catch an  
25 edge which is quite helpful when traversing icy terrain. However, metal runners 1702 could cause damage to the slides of the present invention. As such, as

noted in Fig. 17, metal runners 1702 are removed from the bottom surface of slide 1701 exposing runner indent or slot 1703. At that point, rubber runners 1704 can be installed within slot 1703 to provide the user with a well-defined edge but one which is composed of a material which would not be detrimental to the slide upon which it is used.

Similarly, reference is made to Fig. 18 showing surf board 1801 which, commercially, is sold with fin 1802 for stability. However, when surf board 1801 is used on a slide of the present invention, it is quite apparent that fin 1802 would severely harm the top surface of the slide. As such, as noted in Fig. 18, fin 1802 is removed when using a commercially available surf board for the present invention. Figs. 17 and 18 represent two of a wide variety of commercially available sports boards which could be modified for use herein.

Similarly, reference is made to Fig. 19 which displays a sports vehicle similar to that shown in Fig. 5. In the iteration shown in Fig. 19, sports board 2001 supporting bindings 2002, from its top surface, looks like a fairly traditional snow board. However, in this instance, removable wheels 2003 can be appended to the bottom surface of the skateboard in a traditional fashion. When done, there is no need for use of a durable low-friction sheeting material to be applied to the bottom of sports board 2001 although, optionally, this could be considered a further embodiment, noting that wheels 2003 can be made removable.

5           Although practice of the present invention can involve the use of  
commercially available sports vehicles or commercially available sports vehicles  
such as sports boards which have been modified for use herein, it is quite apparent  
that, as an alternative, one could produce a dedicated sports vehicle from the  
outset.

10           It should be quite apparent from the above discussion that the present  
invention contemplates a broad range of configurations. The exercise apparatus  
and recreational system of this invention which can be both fixed or portable,  
inflated or padded, and used either wet or dry, alone or with a broad range of  
appended systems is uniquely adapted to provide one with a platform for skill  
15 enhancement and recreational pursuit.